

Sample Description: ETA-FW011405301653 Grab Water
East Texas Ag Services

LL Sample # WW 7483514
LL Group # 1478437
Account # 01907

Project Name: East Texas Ag Services

Collected: 05/30/2014 16:53 by DC

Weston Solutions

Submitted: 05/31/2014 12:25

Reported: 06/02/2014 10:49

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
Metals					
		SW-846 6010B	mg/l	mg/l	
01762	Potassium	7440-09-7	8,620	100	200
Wet Chemistry					
		EPA 300.0	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	1,360	100	1000
01506	Nitrite Nitrogen	14797-65-0	< 10.0	10.0	100
	Reporting limits were raised due to interference from the sample matrix.				
07322	Ortho-phosphate as P	7723-14-0	505	50.0	100
		EPA 365.1	mg/l	mg/l	
00227	Total Phosphorus as P (water)	7723-14-0	598	50.0	500
		EPA 350.2	mg/l	mg/l	
00221	Ammonia Nitrogen	7664-41-7	1,980	30.0	50

General Sample Comments

State of Texas Lab Certification No. T104704194-13-10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01762	Potassium	SW-846 6010B	1	141521848002	06/02/2014 07:31	Joanne M Gates	200
00368	Nitrate Nitrogen	EPA 300.0	1	14151987131A	05/31/2014 15:53	Clinton M Wilson	1000
01506	Nitrite Nitrogen	EPA 300.0	1	14151987131A	05/31/2014 14:24	Clinton M Wilson	100
07322	Ortho-phosphate as P	EPA 300.0	1	14151987131A	05/31/2014 14:24	Clinton M Wilson	100
00227	Total Phosphorus as P (water)	EPA 365.1	1	14153109101A	06/02/2014 10:29	Joseph E McKenzie	500
00221	Ammonia Nitrogen	EPA 350.2	1	14151022101A	05/31/2014 13:00	Luz M Groff	50

Reference ID:
1478437020614104900

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
µg	microgram(s)	mg	milligram(s)
mL	milliliter(s)	L	liter(s)
m3	cubic meter(s)	µL	microliter(s)
		pg/L	picogram/liter
<	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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